

PTO Serial No. 08/479,215
Docket No. 5634.0358

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

#30
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NP

Applicants : John C. Harvey and
James W. Cuddihy

Serial No. : 08/479,215

Docket No. : 5634.0358

Filed : June 7, 1995

For : SIGNAL PROCESSING APPARATUS AND METHODS

Group Art Unit : 2699

Examiner : FAILE, A.

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Box: FEE-AMENDMENT

Commissioner for Patents
Washington, D.C. 20231

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with 37 C.F.R. §§ 1.56, 1.97, and 1.98, Applicants respectfully request consideration of the references listed on the attached Form PTO-1449.

Applicants respectfully request that the Examiner consider the references cited on the PTO-1449 and that the Examiner indicate that the references have been considered in this application by returning a copy of the Form PTO-1449 with the Examiner's initials in the left column per M.P.E.P. § 609.

I. Description of the References

The references identified in this Supplemental Information Disclosure Statement ("Supplemental IDS") can be grouped into two categories. *First*, applicants have identified in this Supplemental IDS references made of record in applicants' related applications that have not previously been made of record in the instant case.

Second, this Supplemental IDS identifies two new references that have not previously been identified in this application or any other related applications to date. These two new references are Japanese references that came to applicants' attention during the prosecution of applicants' applications pending in Japan. These new references are: JP 59-224988 and JP 61-174889.

II. Description of Corrections

In the course of preparing this Supplemental IDS applicants identified a number of miscellaneous inadvertent clerical errors contained in previously filed information disclosure statements. Applicants have corrected any such inadvertent errors with respect to references that are identified in this Supplemental IDS. With respect to inadvertent errors that occurred in information disclosure statements previously filed in this application applicants' identify and correct such inadvertent errors as follows:

- In the May 11, 2001 Information Disclosure Statement, the foreign patent reference previously identified as JP 59-50134 is correctly identified as JP 59-501340. Also in the May 11, 2001 Information Disclosure Statement, the foreign patent reference FR 79-03351 identifies the French application number. The correct identification of this reference is publication number FR 2,417,226.
- With respect to foreign patent references in various information disclosure statements, information regarding the publication dates of these references may not have been supplied or may have been incorrectly identified. Additionally, applicants made inadvertent errors with respect to the provision of translations for certain foreign language references. A

corrected complete list of all foreign references made of record in applicants' related pending applications is identified in Appendix A.

- In the concise explanation previously provided for foreign reference DE 2,338,330, this reference was misidentified. The correct patent number for this German reference is DE 2,338,380.

III. Concise Explanations of Foreign Language References

Applicants unintentionally may not have provided concise explanations for certain previously identified foreign language references. Concise explanations for these references are provided in Appendix B. Additionally, in Appendix B applicants provide concise explanations for the two new Japanese references cited for the first time in this Supplemental IDS. Applicants' submission of Appendix B meets the requirements regarding a concise explanation of foreign references as set forth in 37 CFR 1.98 and M.P.E.P. § 609.

IV. Conclusion

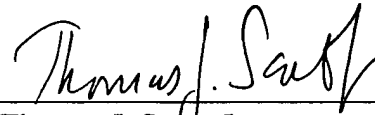
Pursuant to an agreement reached between the Examiner and applicants (see first Office Action issued in this application), applicants are not submitting copies of the references cited in this Supplemental IDS where applicants have previously provided copies of all of the references cited herein in related applications. Applicants are presently providing newly acquired translations of three Japanese patent applications, 58-99817, 56-84340 and 58-29020 in applicants' application number 08/113,329, pursuant to the same agreement mentioned above.

This Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection or Notice of Allowance. 37 C.F.R. § 1.97(c).

Submitted herewith is a check in the amount of \$180.00 to cover the fee for filing this Supplemental Information Disclosure Statement under 37 C.F.R. § 1.17(p). Any deficiency in or overpayment of this fee should be charged or credited to Deposit Account No. 50-0206.

Date: March 21, 2002
HUNTON & WILLIAMS
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Respectfully submitted,



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APPENDIX A

FOREIGN PATENT DOCUMENTS

| DOCUMENT NUMBER | PUBLICATION DATE | COUNTRY | CLASS/ SUBCLASS | TRANSLATION | |
|--------------------|---------------------|---------------|--------------------|-------------|-----|
| | | | | NO | YES |
| 20,242 | 12/10/80 | EPO | G09G 1/16 | X | |
| 46,108 | 02/17/82 | EPO | H04N 5/76 | X | |
| 49,184 | 04/07/82 | EPO | G09B 7/08 | X | |
| 53,984** | | Japan | | X | |
| 55,167 | 06/30/82 | EPO | G09G 1/16 | X | |
| 55,674 | 07/07/82 | EPO | 07/07/82 | | |
| 56,649 | 07/28/82 | EPO | H04N 5/44 | | |
| 481,565 | 04/29/76 | Australia | | | |
| 77,712 | 04/27/83 | EPO | H04N 7/00 | X | |
| 78,185 | 05/04/83 | EPO | H04N 7/00 | X | |
| 103,438 | 03/21/84 | EPO | H04N 7/10 | | |
| 128,481 | 12/19/84 | EPO | H04N 7/00 | | |
| 132,007 | 01/23/85 | EPO | H04N 7/16 | | |
| 133,985 | 03/13/85 | EPO | H 04 N 7/087 | | |
| 152,251 | 08/21/85 | EPO | H04H 1/2 | | |
| 187,417 | 07/16/86 | EPO | H04 N 7/087 | | |
| 206,821 | 12/30/86 | EPO | H04N 7/00 | | |
| 217,308 | 04/08/87 | EPO | H04M 11/00 | | |
| 857,862 | 1/4/61 | Great Britain | 40 (1) | | |
| 959,274 | 05/27/64 | Great Britain | | | |
| 1,066,931 | 04/26/67 | Great Britain | G 07c | | |
| 1,189,612 | 06/25/85 | Canada | Ho4n 7/08 | | |
| 1,204,190 | 09/03/70 | Great Britain | | | |
| 1,213,357 | 11/25/70 | Great Britain | | | |
| 1,216,977 | 01/20/87 | Canada | HO4M 11/00 | | |
| 1,370,535 | 10/16/74 | Great Britain | GO9G1/16 | | |
| 1,396,981 | 06/11/75 | Great Britain | H04H 1/00 | | |
| 1,515,309 | 06/21/78 | Great Britain | G06 K 15/20 | | |
| 1,523,307 | 08/31/78 | Great Britain | H03K 5/08 | | |
| 1,543,502 | 04/04/79 | Great Britain | G08B9/00 | | |
| 1,554,411 | 10/17/79 | Great Britain | H04b 3/54 | | |
| 1,556,366 | 11/21/79 | Great Britain | | | |
| 1,582,563 | 01/14/81 | Great Britain | G08B9/00 | | |
| 1,584,111 | 02/04/81 | Great Britain | G08B9/00 | | |
| 2,016,874 | 02/01/79 | Great Britain | | | |
| 2,033,699 | 05/21/80 | Great Britain | H04L 1/10, 1/40 | | |
| 2,034,995 | 06/11/80 | Great Britain | H03J 7/18, 5/00 | | |

| DOCUMENT NUMBER | PUBLICATION DATE | COUNTRY | CLASS/ SUBCLASS | TRANSLATION NO | YES |
|--------------------|---------------------|---------------|--------------------|-------------------|-----|
| 2,051,527 | 01/14/81 | Great Britain | G06F 3/153 | | |
| 2,058,681 | 06/15/72 | Germany | H04N 7/08 | X | |
| 2,067,379 | 07/22/81 | Great Britain | H04L 1/24 | | |
| 2,081,948 | 02/24/82 | Great Britain | H04Q 9/00 | | |
| 2,090,504 | 07/07/82 | Great Britain | H04N 3/16 | | |
| 2,103,455 | 02/16/83 | Great Britain | H04N 1/00 7/12 | | |
| 2,126,002 | 03/14/84 | Great Britain | G11B 15/02 | | |
| 2,140,963 | 12/05/84 | Great Britain | | | |
| 2,141,897 | 01/03/85 | Great Britain | H04N 7/16 | | |
| 2,164,229 | 03/12/86 | Great Britain | | | |
| 2,167,917 | 06/04/86 | Great Britain | | | |
| 2,185,670 | 07/22/87 | Great Britain | H04N 7/087 | | |
| 2,338,380 | 02/13/75 | Germany | | X | |
| 2,356,969 | 05/22/75 | Germany | | | X |
| 2,417,226 | 02/01/79 | France | | X | |
| 2,453,441 | 05/13/76 | Germany | H04L 9/00 | X | |
| 2,496,376 | 06/18/82 | France | H04N 7/00 | X | |
| 2,516,733 | 05/05/83 | France | H04N 7/00 | X | |
| 2,550,624 | 05/26/77 | Germany | | X | |
| 2,823,175 | 11/29/79 | Germany | G06F 3/12 | X | |
| 2,831,014 | 04/03/80 | Germany | | X | |
| 2,853,764 | 01/29/81 | Germany | | X | |
| 2,904,891 | 08/16/79 | Germany | | | X |
| 2,918,846 | 11/13/80 | Germany | F26B 12/02 | | X |
| 3,020,787 | 12/17/81 | Germany | H04N 7/08 | X | |
| 3,039,949 | 05/06/82 | Germany | H04M 3/42 | X | |
| 3,112,249 | 10/07/82 | Germany | G09G 1/28 | X | |
| 3,143,627 | 05/11/83 | Germany | | | X |
| 3,337,204 | 04/25/85 | Germany | H04N 5/44 | X | |
| 53-068124 | 06/17/78 | Japan | | | X |
| 53-11515 | 02/02/78 | Japan | | X | |
| 53-121420 | 10/23/78 | Japan | | X | |
| 55-028691 | 02/29/80 | Japan | | | X |
| 55-26792 | 02/26/80 | Japan | | X | |
| 55-49084 | 04/08/80 | Japan | | | X |
| 55-500886 | 10/30/80 | Japan | | X | |
| 55-79585 | 06/16/80 | Japan | | X | |
| 56-47179 | 04/28/81 | Japan | | | X |
| 56-51161 | 05/08/81 | Japan | | | X |
| 57-199377 | 12/07/82 | Japan | | | X |
| 58-156279 | 09/17/83 | Japan | | X | |

| DOCUMENT NUMBER | PUBLICATION DATE | COUNTRY | CLASS/ SUBCLASS | TRANSLATION NO YES | |
|--------------------|---------------------|-----------|--------------------|-----------------------|---|
| 58-209276 | 12/06/83 | Japan | | | X |
| 59-154886 | 09/03/84 | Japan | | | X |
| 59-160387 | 09/11/84 | Japan | H04N 7/10 | | X |
| 59-224988 | 12/17/84 | Japan | | | X |
| 59-501340 | 03/23/84 | Japan | | X | |
| 60-123182 | 07/01/85 | Japan | | | X |
| 60-146587 | 08/02/85 | Japan | | X | |
| 60-149281 | 08/06/85 | Japan | | X | |
| 60-256289 | 12/17/85 | Japan | H04N 7/173 | | X |
| 60-61935 | 04/09/85 | Japan | G11B15/02 | X | |
| 61-148988 | 07/07/86 | Japan | H04N 7/173 | | X |
| 61-174889 | 08/06/86 | Japan | | X | |
| 61-20441 | 01/29/86 | Japan | | X | |
| 61-267474 | 11/27/86 | Japan | | X | |
| 61-50470 | 03/12/86 | Japan | H04N 5/44 | X | |
| PL 204,525 | 02/09/78 | Poland | | X | |
| WO 80/00292 | 02/21/80 | PCT Appl. | H04N9/16 | X | |
| WO 80/02093 | 10/02/80 | PCT Appl. | H04B 1/20 | | |
| WO 80/02901 | 12/24/80 | PCT Appl. | H04N 7/16 | X | |
| WO 81/02961 | 10/15/81 | PCT Appl. | H04N 7/16, 7/04 | | |
| WO 83/00789 | 03/03/83 | PCT Appl. | H04N 7/08 | X | |
| WO 85/03604 | 08/15/85 | PCT Appl. | H03K 3/84 | | |
| WO 85/03830 | 08/29/85 | PCT Appl. | H04N 7/16 | | |
| WO 87/04884 | 08/13/87 | PCT Appl. | H04M 11/08 | | |

** Japanese reference 53,984 to Jinno was cited by the Examiner in Application No. 08/470,447. The Examiner did not supply a publication date and applicants have been unable to determine a publication date for this reference.

APPENDIX B

Concise Explanations for Foreign References

JP 61-174889 August 6, 1986 Japan

Foreign language patent JP 61-174889 came to applicants' attention during the prosecution of applicants' applications pending in Japan.

FR 2,417,226 February 1, 1979 France
PL 204,525 February 9, 1978 Poland

The French reference 2,417,226 and Polish reference PL 204,525 are both applications filed by Zaboklicki. The PTO has cited the German application filed by Zaboklicki which claims priority to the Polish Zaboklicki application. Translations of the German Zaboklicki application have been provided to the Examiner.

DE 2,831,014 April 3, 1980 Germany

The German reference DE 2,831,014 was applied by the Examiner in the September 4, 2001 Office Action in Application No. 08/487,526.

JP 55-26792 February 26, 1980 Japan

The Japanese reference JP 55-26792 was applied by the Examiner in the August 27, 2001 Office Action in Application No. 08/470,571.

WO 80/02901 December 24, 1980 France

The WO 80/02901 reference discloses a television system with a double key encryption service for subscription television.

DE 3,337,204 April 3, 1980 Germany

German reference DE 3,337,204 discloses a viewer interactive program schedule.

The following Japanese references were identified on applicants' on May 11, 2001 IDS, but explanations were unintentionally not provided. All of these applications came to applicants' attention during the prosecution of applicants' applications pending in Japan.

| | | |
|---------------------|--------------------------|--------------|
| JP 53-11515 | February 2, 1978 | Japan |
| JP 53-121420 | October 23, 1978 | Japan |
| JP 55-500886 | October 30, 1980 | Japan |
| JP 59-501340 | March 23, 1984 | Japan |
| JP 60-146587 | September 2, 1985 | Japan |
| JP 61-20441 | January 29, 1986 | Japan |
| JP 61-267474 | November 27, 1986 | Japan |

The following references were cited on PTO form 892 by the Examiners in applicants related pending applications.

| | | |
|---------------------|---------------------------|--------------|
| JP 58-156279 | September 17, 1983 | Japan |
| JP 55-79585 | June 16, 1980 | Japan |

| | | |
|--|---|------------------------|
| <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>CITATION FORM</p> <p>MAR 21 2002</p> | Attorney Docket No. | Serial No. |
| | 05634.0358 | 08/479,215 |
| | Applicant(s) John C. Harvey and James W. Cuddihy | |
| | Filing Date June 7, 1995 | Group Art Unit 2699 |

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| EXAMINER INITIAL | PATENT NUMBER | PATENT DATE | NAME | CLASS/ SUBCLASS | FILING DATE* |
|---------------------|------------------|----------------|---------------------|--------------------|-----------------|
| | 1,992,271 | 02/26/35 | Williams | | |
| | 2,046,381 | 07/07/36 | Hicks et al. | | |
| | 2,192,217 | 03/05/40 | Bellamy, et al. | | |
| | 2,217,881 | 10/15/40 | Allen | | |
| | 2,236,077 | 03/25/41 | Smith | | |
| | 2,264,563 | 12/02/41 | Bumstead | | |
| | 2,570,209 | 10/09/51 | Cotsworth, III | | |
| | 2,855,993 | 10/14/58 | Rahmel | 358/84 | |
| | 2,995,624 | 08/08/61 | Watters | | |
| | 3,011,153 | 11/28/61 | Haselton et al. | | |
| | 3,029,308 | 04/10/62 | Adler et al. | | |
| | 3,082,402 | 03/19/63 | Scantlin | | |
| | 3,366,731 | 01/30/68 | Wallerstein | | |
| | 3,612,752 | 10/12/71 | Banning, Jr. | 178/5.1 | |
| | 3,764,983 | 10/09/73 | Stok | 340/150 | |
| | 3,778,058 | 12/11/73 | Rausch | 463/3 | |
| | 3,778,721 | 12/11/73 | Moran | 325/396 | |
| | 4,035,838 | 07/12/77 | Bassani et al. | 358/86 | |
| | 4,059,729 | 11/22/77 | Eddy et al. | 179/15 BF | |
| | 4,061,879 | 12/06/77 | Wintzer | 179/15 BA | |
| | 4,162,483 | 07/24/79 | Entenman | 340/147 R | |
| | 4,199,791 | 04/22/80 | Corey | 360/69 | |
| | 4,225,918 | 09/30/80 | Beadle et al. | 364/200 | |
| | 4,319,353 | 03/09/82 | Alvarez, III et al. | 370/104 | 02/29/80 |
| | 4,365,249 | 12/21/82 | Tabata | 340/825.3 | 09/29/80 |
| | 4,383,273 | 05/10/83 | Lunn | 348/725 | 12/29/80 |
| | 4,386,416 | 05/31/83 | Giltner et al. | 364/900 | 06/02/80 |
| | 4,426,698 | 01/17/84 | Pargée, Jr. | 371/37 | 08/24/81 |
| | 4,495,623 | 01/22/85 | George et al. | 371/38 | 09/02/82 |
| | 4,532,540 | 07/30/85 | Wine | 358/12 | 03/28/83 |
| | 4,644,396 | 02/17/87 | Iwasaki | 380/6 | 05/24/85 |
| | 4,825,050 | 04/25/89 | Griffith et al. | 235/379 | 09/13/83 |
| | Re. 33,808 | 01/28/92 | Wright, Jr. | 358/86 | 08/28/85 |

* If Pertinent

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | PUBLICATION DATE | COUNTRY | CLASS/ SUBCLASS | TRANSLATION YES NO |
|---------------------|--------------------|---------------------|---------------|--------------------|-----------------------|
| | 1,204,190 | 09/03/70 | Great Britain | | |
| | 1,213,357 | 11/25/70 | Great Britain | | |



| EXAMINER INITIAL | DOCUMENT NUMBER | PUBLICATION DATE | COUNTRY | CLASS/ SUBCLASS | TRANSLATION | |
|---------------------|--------------------|---------------------|---------------|--------------------|-------------|----|
| | | | | | YES | NO |
| | 2,164,229 | 03/12/86 | Great Britain | | | |
| | 2,167,917 | 06/04/86 | Great Britain | | | |
| | 2,356,969 | 05/22/75 | Germany | | X | |
| | 2,831,014 | 04/03/80 | Germany | | | X |
| | 53-068124 | 06/17/78 | Japan | | X | |
| | 55-26792 | 02/26/80 | Japan | | | X |
| | 55-49084 | 04/08/80 | Japan | | X | |
| | 55-79585 | 06/16/80 | Japan | | | X |
| | 58-156279 | 09/17/83 | Japan | | | X |
| | 58-209276 | 12/06/83 | Japan | | X | |
| | 59-224988 | 12/17/84 | Japan | | X | |
| | 60-123182 | 07/01/85 | Japan | | X | |
| | 61-174889 | 08/06/86 | Japan | | | X |

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| | "Advanced Transmission Techniques," SMPTE Journal, Report on the 121st Technical Conference, January 1980, Vol. 89, pp. 31-32. |
| | "American National Standard" "dimensions of video, audio and tracking control records on 2-in video magnetic tape quadruplex recorded at 15 and 7.5 in/s," SMPTE Journal, October 1981, pp. 988-989. |
| | "American National Standard" "time and control code for video and audio tape for 525-line/60-field television systems," SMPTE Journal, August 1981, pp. 716-717. |
| | "Anderson: Progress Committee Report for 1979 - Television," SMPTE Journal, May 1980, Vol. 89, pp. 324-328. |
| | "Application of Direct Broadcast Satellite Corporation for a Direct Broadcast Satellite System," Before the Federal Communications Commission, Washington, D.C., Gen. Docket No. 80-603, July 16, 1981. |
| | "Cable TV Advertising," Paul Kogan Associates, Inc., No. 22, Feb. 18, 1981, 6 pages. |
| | "CAMP," Arbitron Cable, The Arbitron Company, product brochure, May 1980, 8 pages. |
| | "Contraband code," Closed Circuit, Broadcasting, Sep. 28, 1970, 1 page. |
| | "Did the ad run?," Media Decisions, July 1969, pp. 44 et seq. |
| | "Digisonics pushes its coding method," Broadcasting, Dec. 7, 1970, p. 37. |
| | "DIGISONICS TV Monitor System Finds Defenders," Advertising Age, Dec. 8, 1969, 1 page. |
| | "Digisonics violated standards, says BAR," Broadcasting, Oct. 5, 1970, pp. 21-23. |
| | "Digisonics' Aim Is Info Bank, Not Just Proof of Performance," Advertising Age, Nov. 9, 1970, 4 pages. |
| | "Digisonics' dilemma," Media Decisions, June 1971, 6 pages. |
| | "Everything you've always wanted to know about TV RATINGS," A.C. Nielsen Company, brochure, 1978. |
| | "How to increase training productivity through VIDEODISC and MICROCOMPUTER systems," seminar brochure, 1981. |
| | "IDC begins monitoring," At Deadline, Broadcasting, Sep. 14, 1970, p. 9. |
| | "IDC encoding system still alive at FCC," Broadcasting, Sep. 27, 1971, p. 31. |
| | "In this corner, DIGISONICS!," Media Decisions, June 1968, 5 pages. |
| | "Index to SMPTE-Sponsored American National Standards, Society Recommended Practices, and Engineering Committee Recommendations," 1980 Index to SMPTE Journal, SMPTE Journal, pp. I-15 to I-20. |
| | "Index to Subjects - January-December 1976 • Volume 85," 1976 Index to SMPTE Journal, SMPTE Journal, Vol. 85, pp. I-5 to I-13, I-15. |

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| | "Index to Subjects - January-December 1980 • Volume 89," 1980 Index to SMPTE Journal, SMPTE Journal, pp. I-5 to I-11. |
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| | Ancillary Signals for Television, U.S. Dept. of Commerce, Sep. 1975. |
| | Anderson, The Vertical Interval: A General-Purpose Transmission Path, September, 1971 |
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